PROJECT	**GRID AZIMUTH (t) AND GRID LENGTH** For use of this form, see FM 3-34.331; the proponent agency is TRADOC.
LOCATION	ORGANIZATION
GRID	

Sta. (1)		To Sta. (2)		Azimuth			° ′ ″
N_2		E_2		tan β		β	° ′ ″
N_1		E_1		ΔE		ΔN	
ΔN		ΔE		sin β		cos β	
Grid length			(ft) (m)	S		S	
Sta. (1)		To Sta. (2)		Azimuth			° ′ ″
N_2		E_2		tan β		β	° ′ ″
N_1		E_1		ΔE		ΔN	
ΔN		ΔE		sin β		cos β	
Grid length			(ft) (m)	S		S	
Sta. (1)		To Sta. (2)		Azimuth			° ′ ″
N_2		E_2		tan β		β	° ′ ″
N_1		E_1		ΔE		ΔN	
ΔN		ΔE		sin β		cos β	
Grid length			(ft) (m)	S		S	
Sta. (1)		To Sta. (2)		Azimuth			° ′ ″
N_2		E_2		tan β		β	° ′ ″
N_1		E_1		ΔE		ΔN	
ΔN		ΔE		sin β		cos β	
Grid length			(ft) (m)	S		S	
Sta. (1)		To Sta. (2)		Azimuth			° ′ ″
N_2		E_2		tan β		β	° ′ ″
N_1		E_1		ΔE		ΔN	
ΔN		ΔE		sin β		cos β	
Grid length			(ft) (m)	S		S	
Sta. (1)		To Sta. (2)		Azimuth			° ′ ″
N_2		E_2		tan β		β	° ′ ″
N_1		E_1		ΔE		ΔN	
ΔN		ΔE		sin β		cos β	
Grid length			(ft) (m)	S		S	

AZ from North=;

β if $\Delta E+$, $\Delta N+$
$180° - \beta$ if $\Delta E+$, $\Delta N-$
$180° + \beta$ if $\Delta E-$, $\Delta N-$
$360° - \beta$ if $\Delta E-$, $\Delta N+$

AZ from South=;

β if $\Delta E-$, $\Delta N-$
$180° - \beta$ if $\Delta E-$, $\Delta N+$
$180° + \beta$ if $\Delta E+$, $\Delta N+$
$360° - \beta$ if $\Delta E+$, $\Delta N-$

$$\tan\beta = \frac{\Delta E}{\Delta N}$$

$$S = \frac{\Delta E}{\sin\beta} = \frac{\Delta N}{\cos\beta}$$

COMPUTED BY	DATE *(YYYYMMDD)*	CHECKED BY	DATE *(YYYYMM DD)*